

Reference Nos:

2016: 16-079-089

**CITY AND COUNTY OF DENVER**  
**Technical Specifications and Bid Items**

For a

**Hydraulically Driven Side Broom Street Sweeping Machine**

- 1.0 General Description**  
 A new three axle EPA PM-10 certified street sweeper with water spray dust control system and high lift dump for emptying contents of hopper into a dump truck. The sweeper shall be equipped with hydraulic drive side/gutter and main brooms. The sweeper shall be suitable for six (6) years of continuous street sweeping operation in the Denver CO environment.
- 1.1 Standard Factory Equipment**  
 All standard factory equipment shall be included with the equipment; no deletions of standard factory equipment will be permitted unless specifically superseded in these specifications. Accessories not specifically mentioned herein but necessary to furnish a complete unit ready for use shall also be included.
- 1.2 Government Requirements (where applicable)**  
 The vehicle/equipment shall be built to, and perform in accordance with, all the requirements of the latest edition of the following standards and specifications:
- FHWA, Federal Highway Administration
  - SAE, Society of Automotive Engineers Specifications
  - FMVSS, Federal Motor Vehicle Safety Standards
  - DOT, Department of Transportation Regulations
  - AWS, American Welding Society Standards
  - PUC, Public Utilities Commission (Colorado)

- 1.3 Workmanship and Durability**  
 Workmanship throughout the equipment shall conform to the highest standards. Durability shall be sufficient to allow safe and efficient operation of the equipment.

- 1.4 Completion of Bid Items and Alternates**  
 Vendor shall complete each line item in "Offered Equipment" and "Cost" columns in the following manner:
- A. Provide vehicle/equipments technical information: in "Offered Equipment" provide technical information as requested and provide cost of item in "Cost" column.
- B. Included Standard Equipment: in "Offered Equipment" column provide technical information as requested for standard equipment in, "Cost" column write NC for "No Charge".

Vendor/ Sub Vendor: FARIS

**Proposal No. 8003**  
 Three (3) Axle Sweepers  
 Configuration #1

- C. Differences in "RED" ink in "Offered Equipment" column adjacent to Description of Equipment provide information on the item being offered, in "Cost" column provide cost if there is a bid item cost.
- D. Vendors shall break out and list costs for each specification section. Failure to break out proposed costs may cause proposal to be non-responsive. Breakout costs will be used for comparisons clarifying cost issues and if deletions to the specifications need to be made.

**2.0 Basic Requirements, or approved equal.**

**2.1 Basic Vehicle with Options:**

	Description of Equipment	Offered Equipment	Cost
A.	Three- (3) axle EPA PM-10 certified water spray system sweeper with body of unitized and welded heavy steel plate design and sprung rear guide wheels. The sweeper shall be front dumping design with full visibility from operator's seat with out using mirrors. Sweeper shall be manufactured to ISO 9001 standards	Make: <u>ELGIN</u> Model: <u>PELIKAN NP</u> EPA PM-10 Certification: <u>Yes</u> No Dump Location: <u>FRONT DUMP</u> <input checked="" type="radio"/> Yes No	\$ <u>137,580</u>
B.		OA Height: <u>9' 11"</u> OA Width: <u>8' 6"</u> OA Length: <u>16' 0"</u> Wheelbase: <u>127.4"</u> Turning Radius: <u>15'</u>  Main Broom: <u>5' 8"</u> 1 Side Broom: <u>8' 0"</u> 2 Side Brooms: <u>10' 0"</u> Hopper Capacity: <u>3.6</u> yds <sup>3</sup> Dump Height: <u>9' 6"</u> Curb Weight: <u>14,240</u> lbs Speed: <u>20</u> mph	
C.	Sweeper Dimensions and Information: 1. Overall height, top of cab: 9'-11" 2. Overall width, outside of tires: 8'-6" 1. Overall length: 16'-0" 2. Wheelbase: 128" 3. Turning Radius curb-to-curb: 15' 4. Sweeping width: a. Main broom only: 5'-6" b. One side broom: 8'-0" c. Two side brooms: 10'-0" 5. Hopper Capacity: 3.6 yds <sup>3</sup> minimum. 6. Dump clearance: 9'-6" 7. Weight Empty: 14,300 lbs 8. Travel Speed: 20 mph	Quantity: <u>4</u> No keys <input checked="" type="radio"/> Yes <input type="radio"/> No Key Number: <u>ELGIN # 6065007</u>	\$ <u>125</u>
D.	Keys and Locks; 1. Door locks and ignition shall be keyed alike. 2. Keys, Ignition, Door, and Other, 4 sets. 3. Each vehicle will be keyed alike and identical to existing City sweepers CP70 through CP85.		

Vendor/ Sub Vendor: FARIS

Proposal No. 8003  
 Three (3) Axle Sweepers  
 Configuration #1

<p><b>E.</b></p> <p>Water System:          1. Water system shall be for dust suppression and shall help the sweeper meet EPA PM-10 requirements.          2. Water tank shall have a 220-gallon capacity minimum.          3. Tank shall be polyethylene corrosion resistant material.          4. The water fill system shall be anti-siphon design.          5. The water pump shall have a "run dry" feature with no damage to system.          6. A water level gauge shall be provided and easily visible for monitoring.          7. A 16'-8" canvas double jacketed rubber lined 2-1/2" fire type fill hose with fire hydrant coupling shall be provided with easy access hose storage compartment.</p>	<p><input checked="" type="radio"/> Yes    <input type="radio"/> No</p> <p>Capacity: <u>220</u> gallons          Material: <u>POLYETHYLENE</u></p> <p><input checked="" type="radio"/> Yes    <input type="radio"/> No  <input checked="" type="radio"/> Yes    <input type="radio"/> No  <input checked="" type="radio"/> Yes    <input type="radio"/> No</p> <p><input checked="" type="radio"/> Yes    <input type="radio"/> No    Site Location: <u>LOWER RIGHT PORTION OF WATER TANK. VISIBLE FROM RIGHT SEAT. THEN WINDOW NEAR YOUR RIGHT FOOT</u></p> <p><input checked="" type="radio"/> Yes    <input type="radio"/> No    Fill Hose Length: <u>16' 8"</u></p>
<p><b>F.</b></p> <p>Fuel System:          1. Fuel tank shall be 35 gallons minimum.          2. Fuel Filter spin-on type with easy access.</p>	<p>Capacity: <u>35</u> gallons  <input checked="" type="radio"/> Yes    <input type="radio"/> No</p> <p>\$ <u>INC</u></p>

2.2

Engine and Drivetrain	Description of Equipment	Offered Equipment	Cost
<p><b>A.</b></p> <p>Engine or Approved Equal:          1. The engine shall be a John Deere 4045TF150 4-cylinder          2. Displacement: 4.5L (276 in<sup>3</sup>)          3. Power 74-hp @ 2,200 rpm, torque 195 lb-ft @ 1,700 rpm          4. Turbo charged, direct injected diesel engine.          5. The engine shall be balanced and rubber mounted to minimize vibration.          6. Approved for and capable of operating on City B-20 biodiesel fuel.</p>	<p>4045T OR EQUAL  <b>TIER 4 FINAL</b>          Make: <u>JOHN DEERE</u> Model: <u>4045TF150</u>          Displacement: <u>4.5 L</u> No of Cylinders: <u>4</u>          HP: <u>74 @ 220 rpm</u> Torque: <u>195 @ 1700</u>  <input checked="" type="radio"/> Yes    <input type="radio"/> No  <input checked="" type="radio"/> Yes    <input type="radio"/> No  <input checked="" type="radio"/> Yes    <input type="radio"/> No</p>	<p>\$ <u>INC</u></p>	
<p><b>B.</b></p> <p>Engine Controls:          1. Auto engine shutdown for engine temperature, low oil pressure shall be provided.</p>	<p><input checked="" type="radio"/> Yes    <input type="radio"/> No</p>	<p>\$ <u>INC</u></p>	
<p><b>C.</b></p> <p>Engine Air Intake System:          1. Dual safety dry-type air filter          2. In-cab air filter restriction indicator to continually monitor air filter condition.</p>	<p>Type: <u>Donaldson</u>  <input checked="" type="radio"/> Yes    <input type="radio"/> No</p>	<p>\$ <u>200</u></p>	

Vendor/ Sub Vendor: FARIS

**Proposal No. 8003**  
 Three (3) Axle Sweepers  
 Configuration #1

<p>D. Cooling System:          1. Cooling system and heater hoses shall be ESCO Hi-Temp, Hi-Miler rated at 325°F continuous operating temperature or an approved equal.          2. A cooling system capable of maintaining engine manufacturer's recommended operating temperatures at an elevation of 6,800' in 120° F low humidity ambient conditions shall be provided.          3. The coolant protection shall be -34° F.</p>	<p>Brand: <u>6000 YEAR</u> Type: <u>Hi-MILER</u>  <u>RATED @ 300°F</u></p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p>\$ <u>230</u></p>
<p>E. Propulsion System:          1. Hydrostatic transmission consisting of variable displacement pump and variable displacement motors.          2. Drive motors 2 required, wheel mounted with speed and load sensing.          3. Single foot pedal for forward/reverse control without clutch and shifting.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p>\$ <u>INC</u></p>
<p>F. Hydraulic Pump:          1. The sweeper shall have 4 hydraulic pumps to operate the various sweeper functions.          2. The 2 front of engine hydraulic pumps shall be gear drive off engine crankshaft, (no belt drives). The hydraulic pumps shall operate the water pump, hopper system, steering and other functions as necessary.          3. The rear of engine pumps shall be direct driven off the hydrostatic transmission via drive shaft. The 2 pumps shall operate the (1) pump for main broom and (1) pump for side brooms.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Systems driven off front pumps: <u>HOPPER LIFT &amp; TILT CONVEYOR</u></p> <p>Systems driven off rear pumps: <u>SIDE BROOMS, MAIN BROOM</u></p>	<p>\$ <u>INC</u></p>
<p>G. Hydraulic System:          1. Reservoir capacity 33 gallons with 10-micron vented fill cap.          2. The reservoir shall have an easily visible external site level gauge.          3. Return line 10-micron spin-on filter.          4. Fill spout strainer 100-mesh.          5. An in-cab oil filter restriction indicator light/audible alarm.          6. A low hydraulic oil sensor with an in-cab indicator light/audible alarm when the system is 5-gallons low.</p>	<p>Capacity: <u>33</u> gallons  <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Rating: <u>10</u> microns  <input checked="" type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p>\$ <u>INC</u></p> <p><u>7155</u></p>

Vendor/ Sub Vendor: FARIS

Proposal No. 8003  
Three (3) Axle Sweepers  
Configuration #1

<p>H.</p> <p>Service Brakes:</p> <ol style="list-style-type: none"> <li>Foot operated hydraulic with hydraulic power assist and hydrostatic braking. Braking systems shall not be dependant on the engine running.</li> <li>The main braking system shall be both a dynamic system and hydraulic disc system with the dynamic braking system as the primary system to reduce disc brake wear.</li> <li>The service brakes shall be disc type.</li> <li>The hydrostatic braking system shall be equipped with a priority relief valve to enable the sweeper to gradually coast to a stop when the accelerator pedal is released.</li> <li>Loss of engine power shall not automatically apply brakes.</li> <li>Parking brake shall be wet-disc spring applied with hydraulic release.</li> <li>A parking brake interlock shall prevent driving the sweeper if the parking brake is applied.</li> </ol>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><input checked="" type="radio"/> Yes <input checked="" type="radio"/> No</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p>\$ INC _____</p>
<p>i.</p> <p>Steering:</p> <ol style="list-style-type: none"> <li>Steering shall be full power hydraulic assist rear wheel steering</li> <li>Rear steer wheels shall have a 2 coil spring suspension design to smooth out the sweeper ride.</li> </ol>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p>\$ INC _____</p>

2.3

Tires and Wheels	Description of Equipment	Offered Equipment	Cost
A.	<p>Tires:</p> <ol style="list-style-type: none"> <li>Front, Michelin 11R22.5, XZU Load Range "H", tubeless steel belted radial.</li> <li>Rear, Michelin, 10R17.5, XTA Load Range "H", tubeless steel belted radial.</li> </ol>	<p>Brand: <u>GOODYEAR</u> Type: <u>11R22.5 H</u></p> <p>Brand: <u>GOODYEAR</u> Type: <u>10R17.5 H</u> <u>25/75 R17.5 H</u></p>	<p>\$ INC _____</p> <p>\$ INC _____</p>
B.	<p>Wheels:</p> <ol style="list-style-type: none"> <li>Steel disc</li> <li>Paint "White"</li> </ol>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Color: <u>GREY</u></p>	<p>\$ INC _____</p>

\*FOR 2016: New upgraded rear suspension system.

Vendor/ Sub Vendor: FARIS



**Proposal No. 8003**  
Three (3) Axle Sweepers  
Configuration #1

2.5

Interior	Description of Equipment	Offered Equipment	Cost
A.	<p>Sweeper Controls:</p> <ol style="list-style-type: none"> <li>The sweeper shall be equipped with isolated dual left and right driver's controls so that the sweeper can be operated safely, easily and efficiently from either side for optimum viewing during all sweeping operations.</li> <li>Steering controls both sides shall be tilt and telescoping.</li> <li>The center console shall contain all the operational controls for operating the sweeper with the exception of driving controls.</li> <li>All sweeper console controls shall be easily accessible and viewable from either operator position. The right seat is the primary sweeping position.</li> <li>All controls and gauges shall be illuminated.</li> <li>All controls and gauges shall be ergonomically positioned for operator ease of operation for operators 5'-0" to 6'-6" tall. No control shall interfere with the operator.</li> </ol>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>\$ <u>INC</u></p> <p>\$ <u>INC</u></p> <p>\$ <u>INC</u></p> <p>\$ <u>INC</u></p>
B.	<p>Operator Seats:</p> <ol style="list-style-type: none"> <li>Operator's seats, left and right sides shall be extra wide, black Cordura material with air ride suspension and seat belts.</li> </ol>	<p>Brand: <u>BOSTROM</u> Model: <u>234-8011-455</u></p>	<p>\$ <u>1630</u></p>
C.	<p>Instrumentation shall include:</p> <ol style="list-style-type: none"> <li>Lane-mile swept odometer.</li> <li>Engine hourmeter.</li> <li>Tachometer.</li> <li>Voltmeter.</li> <li>Coolant temperature.</li> <li>Oil temperature and pressure.</li> <li>Fuel level.</li> </ol>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><b>NO OIL TEMP, YES ON PRESSURE</b></p>	<p>\$ <u>310</u></p> <p>\$ <u>INC</u></p> <p>\$ <u>INC</u></p> <p>\$ <u>INC</u></p> <p>\$ <u>INC</u></p> <p>\$ <u>INC</u></p> <p>\$ <u>INC</u></p>
D.	<p>Operator's Cab:</p> <ol style="list-style-type: none"> <li>All weather positive pressure cab.</li> <li>The cab shall be fully enclosed with a full 360° viewing of the sweeping area.</li> <li>Large windows in the cab and in the doors for maximum visibility (no bubble windows in doors).</li> <li>Cab shall be isolation mounted to reduce vibration.</li> <li>Cab shall have both sound and environmental insulation to</li> </ol>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>View Window/Windshield Size: <u>2300</u> in<sup>2</sup></p> <p>Door Glass Size: <u>64 x 40</u>"</p> <p>Rear Window Size: <u>80 x 47</u>"</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>\$ <u>INC</u></p> <p>\$ <u>INC</u></p>

Vendor/ Sub Vendor: FARIS

**Proposal No. 8003**  
 Three (3) Axle Sweepers  
 Configuration #1

Description of Equipment	Offered Equipment	Cost
reduce both noise and reduce heat gain and heat loss to the environment. 6. Cab windows used (except broom viewing windows) shall be tinted safety glass.	% Opacity of Tint: <u>75</u> %	\$ <u>INC</u>
<b>E. Cab Environmental Management:</b> 1. Cab intake air shall be 100% filtered to remove dust and contaminants. 2. The cab shall have multiple adjustable air vent dispersment to keep operators comfortable. 3. The operator's cab shall have a multi-speed blower powered fresh air positive pressure ventilation. 4. Heat, hot water 25,000-BTU heat system with windshield defrosters 5. Cooling, R-134A air conditioning system to keep the operator's area comfortable in Denver CO summer months.	<input checked="" type="radio"/> Yes    No <input checked="" type="radio"/> Yes    No <input checked="" type="radio"/> Yes    No BTU Rating: <u>26,000</u> <input checked="" type="radio"/> Yes    No	\$ <u>INC</u> \$ <u>INC</u> \$ <u>INC</u> \$ <u>INC</u> \$ <u>2170</u> \$ <u>INC</u>
<b>F. Windshield Wipers</b> 1. Wipers dual-(2)-speed electric with intermittent function. 2. Windshield washers	<input checked="" type="radio"/> Yes    No <input checked="" type="radio"/> Yes    No	\$ <u>INC</u>
<b>G. Radio:</b> 1. AM/FM CD high-power stereo radio with two 2-way 5-1/2" flush mounted in dash speakers 2. Antenna shall be spring type to protect it from tree branches	Make: <u>SONY</u> Model: <u>CDX-GT-270MP</u> <input checked="" type="radio"/> Yes    No	\$ <u>470</u>
<b>H. Interior Rear View Mirror:</b> 1. Interior flat rear view mirror shall be mounted in the middle of the windshield and be easily adjustable for use from either left or right operator position. 2. The interior mirror shall be 16" x 4" minimum size.	Location: <u>CENTER MOUNT</u> Size: <u>16" x 4"</u>	\$ <u>INC</u> \$ <u>INC</u>

Vendor/ Sub Vendor: FARIS



**Proposal No. 8003**  
 Three (3) Axle Sweepers  
 Configuration #1

2.6

Exterior	Description of Equipment	Offered Equipment	Cost
A.	<p>Limb Guards,            1. Limb guard, 2 required, 1 per side,            2. Limb guards shall be installed to deflect limbs from hitting the windshields and rear view mirrors.            3. A cross limb guard shall be provided that extends across in front top of the windshield approximately 12" in front of the windshield and 3" above the windshield.</p>	<p><input checked="" type="checkbox"/> Yes  <input checked="" type="checkbox"/> Yes            No            No            Yes <input checked="" type="checkbox"/> NO            Distance in front and above the windshield:            In Front: <u>4 1/2"</u> Above: <u>28"</u>            Limb guard is provided but has different location dimensions than requested.</p>	<p>\$ <u>1815</u>            \$ <u>1520</u></p>
B.	<p>Exterior Rear View Mirrors:            1. Two (2) mirrors required, cab A-pillar mounting bracket mounted left and right side for external rear view mirrors.            2. Main mirrors, Moto-Mirror 7" x 16" motor head (left, right), heated, breakaway type stainless steel.            3. Auxiliary mirrors mounted to the left and right front mounted combination mirror shall be two (2) inside facing 10" dia. convex mirrors.            4. The mirrors shall not extend more than 9" beyond the doors.            5. A mirror guard for each main rear view mirror shall be provided that is large enough and strong enough to sufficiently protect/guard the mirrors from limb and road damage.</p>	<p>Location: <u>FRONT CORNER OF SWEEPER</u>            Make: <u>RETRAC</u> Model: <u>Z-149Z</u>            Size: <u>10"</u>            Protected from tree branches: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>\$ <u>890</u>            \$ <u>INC</u>            \$ <u>INC</u>            \$ <u>INC</u></p>
C.	<p>Door Windows:            1. Door windows shall be horizontal slide to open flat glass type.            2. Windows shall be capable of being open in any position from fully closed to fully open.</p>	<p><input checked="" type="checkbox"/> Yes  <input checked="" type="checkbox"/> Yes            No            No</p>	<p>\$ <u>2670</u>            \$ <u>INC</u></p>
D.	<p>Jack Pads:            1. Jack pads front and rear shall be provided.            2. Pads shall allow hydraulic jacking up of the sweeper without damaging the sweeper.</p>	<p><input checked="" type="checkbox"/> Yes  <input checked="" type="checkbox"/> Yes            No            No</p>	<p>\$ <u>INC</u></p>
E.	<p>Front Bumper:            1. The front bumper shall be vertical heavy-duty type with rubber pads to protect the dump truck and sweeper during hopper dumping.</p>	<p><input checked="" type="checkbox"/> Yes            No</p>	<p>\$ <u>INC</u></p>
F.	<p>Rear Bumper:            1. Rear bumper, two (2) vertical 1" thick x 2" wide x rear frame height tall steel reinforcing pads            2. The bumper pads shall be mounted on the outer rear corners of the sweeper body.</p>	<p>Size: <u>1" THICK X 1.69" WIDE X 9" TALL</u>            - INCLUDES RUBBER BUMPER PADS, SEE ATTACHED            Location: <u>OUTER REAR CORNERS</u></p>	<p>\$ <u>600</u></p>

Vendor/ Sub Vendor: FARIS

**Proposal No. 8003**  
 Three (3) Axle Sweepers  
 Configuration #1

	Description of Equipment	Offered Equipment	Cost
G.	<p>Tow Hooks:</p> <ol style="list-style-type: none"> <li>Tow hooks 2 on front and 2 on rear</li> <li>Rear tow hooks shall be provided low on rear to provide easy hook-up and safe towing of the sweeper.</li> <li>The tow hooks shall be heavily reinforced to provide for both lifting and towing of the sweeper by a City tow truck.</li> <li>No distortion of the hooks, their mounting surface or damage to the sweeper shall occur during towing.</li> </ol>	<p><input checked="" type="checkbox"/> Yes  <input checked="" type="checkbox"/> No  <input checked="" type="checkbox"/> No  <input checked="" type="checkbox"/> No</p>	\$ <u>INC</u>
H.	<p>Toolbox:</p> <ol style="list-style-type: none"> <li>Easily accessible toolbox or compartment shall be provided for storage of the hydrant wrench and other tools.</li> <li>The toolbox shall be heavy duty, steel, minimum size 23"L x 5"W x 9"H with hasp closure.</li> <li>Toolbox shall be mounted to right rear corner of the sweeper with the hose basket directly in front of the toolbox</li> </ol>	<p>Size: <u>23"</u> x <u>5"</u> x <u>9"</u>            Location: <u>RIGHT REAR CORNER</u></p>	\$ <u>680</u>
I.	<p>Paint:</p> <ol style="list-style-type: none"> <li>All visible exterior metal surfaces shall be "Bright White" polyester powder epoxy painted with prior to assembly. Powder epoxy paint shall be a minimum of 2-mils thick.</li> <li>All undercarriage components shall be polyester powder epoxy painted prior to assembly. Powder epoxy paint shall be a minimum of 2-mils thick.</li> <li>All other surfaces shall be painted with polyurethane enamel, "Elgin Grey", applied following paint manufacturer's procedures to include using self-etching primer and treating bare metal with conditioner's and conversion coating s.</li> </ol>	<p>Color: <u>WHITE</u>            Brand: <u>RAL</u> Type: <u>POWDER COAT</u>  <input checked="" type="checkbox"/> Yes  <input checked="" type="checkbox"/> No            Color: <u>GREY</u>  <input checked="" type="checkbox"/> Yes  <input checked="" type="checkbox"/> No</p>	\$ <u>INC</u> \$ <u>INC</u> \$ <u>INC</u>
J.	<p>Roof Strobe Light System:</p> <ol style="list-style-type: none"> <li>Strobe lights (6 required) shall be mounted below the pipe limb guard on the outer edges of the roof structure for protection from tree limbs/branches. The exact location of the lights will be mutually agreed upon at installation</li> <li>Front Cab Surface:               <ol style="list-style-type: none"> <li>Whelen Super LED "Ultra Bright" "Smart LED" "Amber" TIR3, class 1 certified LED, strobe/flasher with limb guard.</li> <li>Two front facing strobes installed on the leading edge outer corner of the cab roof.</li> </ol> </li> </ol>	<p>Make: <u>WHELEN</u> Model: <u>VARIOUS: SEE BELOW</u> \$ <u>915</u>            Mutually agreed upon: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No            Yes <input checked="" type="checkbox"/> No  <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No            MODEL 500 SERIES LED ARE BEING USED IN LIEU OF TIR1. THESE LIGHTS ARE EQUAL TO OR BETTER THAN TIR1 LED'S BUT ARE A BETTER DIMENSIONAL MATCH FOR ELGIN'S MOUNTING HOLES</p>	\$ <u>915</u>

Vendor/ Sub Vendor: FARIS

Proposal No. 8003  
 Three (3) Axle Sweepers  
 Configuration #1

Description of Equipment	Offered Equipment	Cost
3. Rear Cab Surface: a. Whelen Super LED "Ultra Bright" "Smart LED" "Amber" TIR3, class 1 certified, LED strobe/flasher with limb guard. b. Two rear facing strobes installed on the rear edge outer corner of the cab roof.  4. Side Cab Surface: a. Whelen Super LED "Ultra Bright" "Smart LED" "Amber" TIR3, class 1 certified, LED strobe/flasher with limb guard. b. One per side, side facing strobe installed on the rear corner of the cab roof.	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>  Make: <u>WHELEN</u> Model: <u>500 SERIES</u>	MODEL: 500 SERIES LED LIGHTS WILL BE USED BECAUSE THEY BETTER FIT THE MOUNTING HOLES AVAILABLE. SEE ATTACHED TIR3 CLASS 1 LED \$ <u>285</u>
K. Battery Door Strobe Lights: 1. Whelen flush grommet mount Super LED "Ultra Bright" "Smart LED" "Amber" TIR3, class 1 certified LED, strobe/flasher. 2. Two rear facing strobes installed in the battery box door.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	\$ <u>175</u> \$ <u>INC</u>
L. Vehicle Signage shall be applied as follows: 1. "Danger Keep Back 50 Feet", rear of cab at roof level. 2. "Slow Moving Vehicle", rear of sweeper, DOT approved.		

2.7

Street Sweeping Equipment

Description of Equipment	Offered Equipment	Cost
<p>A. EPA Certification:                      1. Sweeping system shall be water spray type and meet EPA PM-10 certification.</p>	<p>EPA Certification: <u>BAUE 1186</u></p>	<p>\$ <u>INC</u></p>
<p>B. Water Spray System:                      1. Spray system water pump shall be hydraulic motor driven.</p>	<p>Drive Method: <u>HYDRAULIC DRIVE</u></p>	<p>\$ <u>INC</u></p>
<p>C. Side Brooms:                      1. Left and right side brooms shall be hydraulic motor driven. digger type that can be angled to the sweeping surface.                      2. The broom brushes shall be vertical digger type 36" dia. with 26" wire fillers.                      3. Brooms shall be hydraulically lowered and raised by a single control easily accessed from both operator positions.                      4. Side brooms shall have hydraulic float feature.                      5. Side brooms shall be electric/mechanical tilted to increase broom attach angle.                      6. Side brooms shall have hydraulic digging pressure/wear control feature to prevent over/under pressuring the broom into the pavement.                      7. Broom speed shall be easily adjustable from 90 rpm to 160 rpm and independent of sweeper ground speed.                      8. Side broom position/tilt indicators shall be provided.                      9. Side brooms shall not throw debris at tires.                      10. Side brooms shall automatically pick up when the sweeper is shifted into reverse and go back to sweeping position when the sweeper is shifted back to forward direction.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No                      Size: <u>36"</u></p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Rpm range: <u>90</u> to <u>160</u></p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p>\$ <u>4000</u></p>
<p>D. Main Broom:                      1. Main broom shall be polypropylene bristle 35" dia. x 66" long prefab rebuildable core type.                      2. The main broom shall be hydraulic motor driven with variable speed control 80 rpm to 140 rpm.                      3. Main broom shall have hydraulically applied down pressure operated by a single control, easily accessed from both operator positions.                      4. Main broom shall automatically pick up when the sweeper is shifted into reverse and go back to sweeping position when the sweeper is shifted back to forward direction.</p>	<p>Size: <u>35" x 66"</u></p> <p>Rpm range: <u>80</u> to <u>140</u></p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p>\$ <u>INC</u></p>

# 2016 Upgraded and Enlarged Conveyor System

Proposal No. 8003  
Three (3) Axle Sweepers  
Configuration #1

Description of Equipment	Offered Equipment	Cost
<p><b>E.</b></p> <p><b>Conveyor:</b></p> <ol style="list-style-type: none"> <li>The conveyor shall be a multiple reinforced chevron cleat reinforced fabric rubber belt.</li> <li>The conveyor shall have full width chevron cleats or flight with replaceable rubber squeegee.</li> <li>The conveyor shall be capable of loading into the hopper objects as large as 9" thick.</li> <li>The conveyor shall be hydraulic driven with relief valve protection and be reversible without reversing the main broom.</li> <li>The hydraulic motor/conveyor drive chain shall be a heavy-duty Diamond # 50H-XLO O-ring chain to extend the life of the chain and sprockets.</li> <li>Conveyor bearings shall be sealed self aligning with continual lubrication from the automatic lubrication system</li> <li>A lower conveyor roller flush system shall be provided.</li> <li>The conveyor shall be able to load the hopper to + 95% capacity.</li> </ol>	<p>Conveyor Construction: <u>BELT WITH CHEVRON CLEATS</u></p> <p><input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Chain Type: <u>O RING</u>    Model: <u># 50 - XLO</u></p> <p>Make: <u>DIAMOND</u>    <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p><input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Material Capacity: <u>3.6</u> yds<sup>3</sup></p> <p>Capacity: <u>9000</u> lbs FROM OPERATOR'S SEAT</p> <p>Tilt: <u>17</u> sec</p> <p>Retraction: <u>21</u> sec</p> <p><input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Dump Height: <u>9.6"</u></p>	<p>\$ <u>INC</u></p> <p>\$ <u>585</u></p> <p>\$ <u>360</u></p> <p>\$ <u>INC</u></p>
<p><b>F.</b></p> <p><b>Hopper:</b></p> <ol style="list-style-type: none"> <li>The hopper shall have a 3.6 yard volume with 3.5 cubic yard material capacity minimum.</li> <li>Hopper shall have full indicator.</li> <li>Hydraulic lift capacity 9,000-lb for dumping.</li> <li>Hopper Cycle time:             <ol style="list-style-type: none"> <li>Hopper tilt: 17 seconds</li> <li>Retraction time: 21 seconds</li> </ol> </li> <li>Single lever control easily accessed from both operator positions.</li> <li>Dumping shall be from front of sweeper with a minimum 9'-6" dump height.</li> </ol>	<p>Material Capacity: <u>3.6</u> yds<sup>3</sup></p> <p>Capacity: <u>9000</u> lbs FROM OPERATOR'S SEAT</p> <p>Tilt: <u>17</u> sec</p> <p>Retraction: <u>21</u> sec</p> <p><input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> <p>Dump Height: <u>9.6"</u></p>	<p>\$ <u>INC</u></p>

ONE COMPLETE VEHICLE TOTAL COST \$ 161,490

THIS PRICE IS AVAILABLE UNTIL JANUARY 31, 2014. A PURCHASE ORDER OR LETTER OF INTENT WITH ENOUGH INFORMATION TO ALLOW FARI'S MACHINERY TO PLACE AN ORDER ON FACTORY MUST BE RECEIVED BY THE END OF JANUARY OR WE CANNOT PRICE PROTECT THE BID AGAINST THE ATTACHED 8% INCREASE.

Vendor/ Sub Vendor: FARI'S

\*MARKET ADJUSTED PRICING 2016: \$188,560

**Proposal No. 8003**  
 Three (3) Axle Sweepers  
 Configuration #1

**3.0 Optional Equipment**

Do not include Optional Equipment in the total price of the vehicle; however an equipment price must be provided. The City will determine if the equipment is to be purchased. When a brand/model is referenced in the specifications unless it is stated as "No Approved Equal" it is only a statement of expected quality, information on alternative products shall be provided with the bid so a full technical comparison can be made of the product submitted as an "approved equal".

	Description of Equipment	Offered Equipment	Cost
A.	<p>Street Sweeper Rear Tow Hitch:</p> <ol style="list-style-type: none"> <li>In lieu of the rear toe hooks specified in Section 2.6.G, a City of Milwaukee style/type tow hitch shall be provided. The rear tow hitch shall be configured in the following to meet the City of Milwaukee standards</li> <li>Tow hooks 2 on rear of the sweeper suitable for 2 fork pin lifting by tow trucks.</li> <li>Rear tow hooks shall be provided low on rear to provide easy and fast hook-up and safe towing of the sweeper.</li> <li>The tow hooks shall be heavily reinforced to provide for both lifting and towing of the sweeper by a City tow truck.</li> <li>No distortion of the hooks, their mounting surface or damage to the sweeper shall occur during lifting or towing.</li> <li>The rear tow hitch shall utilize two heavy-duty hardened 2" dia. Steel pins that are plug welded into the side brackets pin pockets.</li> <li>Each lifting pin shall be supported on both sides with 1" thick steel plate with recessed pin pockets that are welded to the sweeper rear frame reinforcement. The side pin support brackets shall extend approximately 12" underneath the sweeper.</li> <li>Each side plate shall have a 3" wide lifting fork access distance between the plates.</li> <li>The lifting pins shall be mounted below the sweeper's rear frame.</li> <li>Each side bracket for the lifting pins shall have chain cutout openings for the safety securement chain and tow hook to pass thru to secure the lifting forks to the rear of the sweeper.</li> <li>Bidders shall provide drawings of the Milwaukee toe bracket with the bid submittal.</li> </ol>	<p><b>CITY OF MILWAUKEE STYLE TOW HOOKS NOT AVAILABLE</b></p> <p>Yes No          Yes No          Yes No</p> <p>Pin Dia.: _____          Pin Material: _____</p> <p>Side Plate Thickness: _____          Distance Bracket Extends Under Sweeper: _____</p> <p>Lifting Fork Access Width: _____          Distance Below Rear of Sweeper: _____</p> <p>Yes No          Yes No</p>	<p>\$ <u>NA</u></p>

Vendor/ Sub Vendor: FARIS

**Proposal No. 8003**  
 Three (3) Axle Sweepers  
 Configuration #1

: \$5,575

Description of Equipment	Offered Equipment	Cost
<p>B. Automatic lubrication system to include:</p> <ol style="list-style-type: none"> <li>1. Lubecore Parallel HP Centralized lubrication 12-point system capable of pumping NLGI # EP-2 grease.</li> <li>2. System shall be installed by the sweeper factory. Grease pump/reservoirs, control unit, distribution manifolds and grease hoses/lines shall be located/routed for maximum durability ease of access and protection from damage.</li> <li>3. Grease pump/reservoir shall be 6 Kg grease capacity.</li> </ol>	<p>Make: <u>LUBECORE</u> Model: <u>PROGRESSIVE</u>            Capable of Pumping NLGI # EP-2 Grease: <u>Yes</u> No            Grease Reservoir Size: <u>6</u> Kg            System Pressure: <u>3500</u> psi            Grease Line Material: <u>KOBALLA</u>  <b>INSTALLED LOCALLY, NOT AT FACTORY</b></p>	<p><del>\$ 4885</del>            ADD THIS</p>
<p>C. Automatic lubrication system to include:</p> <ol style="list-style-type: none"> <li>1. Midwest Centralized lubrication 12-point system minimum.</li> <li>2. System shall be installed by the sweeper factory. Grease pump/reservoirs, control unit, distribution manifolds and grease hoses/lines shall be located/routed for maximum durability ease of access and protection from damage.</li> <li>3. Grease pump/reservoir shall be AC3 with 3 liter grease capacity.</li> </ol>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p>\$ 315            2016 INCLUDE</p>
<p>D. Conspicuity Tape:</p> <ol style="list-style-type: none"> <li>1. 3M, DOT-C2 Standard No. 108 reflective conspicuity tape.</li> <li>2. Conspicuity tape shall be applied full length to rear and sides of the sweeper body.</li> </ol>	<p>OPTIONAL EQUIPMENT TOTAL COST</p>	<p><del>\$ 11,475</del></p>

FOR 2016  
 ADD LUBECORE SYSTEM (WITH CUSTOM BRACKET): \$5,575  
 AND  
 CONSPICUITY TAPE: \$315

Vendor/ Sub Vendor: FARIS

**Proposal No. 8003**  
 Three (3) Axle Sweepers  
 Configuration #1

4.0

**Manuals/Equipment**

Item	Description of Equipment	Offered Equipment	Cost
<b>Training Video</b>	One DVD or CD demonstrating and explaining the safe and proper use of the vehicle/equipment. 1. Equipment.	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	\$ N/A
<b>Operators Manual Paper</b>	One book per vehicle/equipment with "safe equipment operation" section for each component. 1. Equipment.	<input checked="" type="checkbox"/>	\$ INCLUDED
<b>Service/Maintenance Manual Paper</b>	Two complete sets per Contract (not per vehicle); binder required. 1. Manuals shall be provided for the sweeper; 2. Manuals shall include complete and detailed information for maintenance of the equipment, including general information, specifications, troubleshooting guide, lubrication and required adjustments. 3. The hydraulic and electrical sections of the manuals shall be provided in a separate electrical/hydraulic binder. Both the hydraulic and electrical circuits shall have separate color coded schematics for each equipment function to show the flow of both electrical current and hydraulic oil.	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes  <input type="checkbox"/> No <input type="checkbox"/> No  <input checked="" type="checkbox"/> Yes  <input type="checkbox"/> No	\$ INCLUDED \$ INCLUDED  INCLUDED



**Proposal No. 8003**  
 Three (3) Axle Sweepers  
 Configuration #1

<p><b>Service/ Maintenance Manual on CD rom or DVD</b></p>	<p>One complete set, per Contract (not per vehicle)</p> <ol style="list-style-type: none"> <li>Manuals shall be provided for:           <ol style="list-style-type: none"> <li>Equipment and Attachments</li> </ol> </li> <li>Manuals shall include complete and detailed information for maintenance of the equipment, including general information, specifications, troubleshooting guide, lubrication and required adjustments.</li> <li>The hydraulic and electrical sections of the manuals shall be provided in a separate electrical/hydraulic binder. Both the hydraulic and electrical circuits shall have separate color coded schematics for each equipment function to show the flow of both electrical current and hydraulic oil.</li> <li>New CD roms or DVDs shall be provided when information is updated, superseded or changed.</li> </ol>	<p> <input checked="" type="radio"/> Yes  <input checked="" type="radio"/> Yes    <input checked="" type="radio"/> Yes    <input type="radio"/> No    <input type="radio"/> No    <input checked="" type="radio"/> Yes    <input type="radio"/> No         </p>	<p>           \$ <u>INCLUDED</u>            \$ <u>INCLUDED</u>                    \$ <u>INCLUDED</u> </p>
<p><b>Service/ Maintenance Manual on Internet Access, or Other Electronic Media</b></p>	<p>One complete set, per Contract (not per unit)</p> <ol style="list-style-type: none"> <li>Vendor shall provide access to the site for the length of time that the City owns the equipment at a one time up front cost to the City.</li> <li>Internet information shall include complete and detailed information for maintenance of the equipment, including general information, specifications, troubleshooting guide, lubrication and required adjustments.</li> <li>The hydraulic and electrical sections of the manuals shall be provided in a separate electrical/hydraulic binder. Both the hydraulic and electrical circuits shall have separate color coded schematics for each equipment function to show the flow of both electrical current and hydraulic oil.</li> </ol>	<p> <input type="radio"/> Yes  <input checked="" type="radio"/> No    <input type="radio"/> Yes  <input checked="" type="radio"/> No            If other Specify: _____            _____            _____    <input type="radio"/> Yes  <input checked="" type="radio"/> No         </p>	<p>           \$ <u>NA</u> </p>

**Proposal No. 8003**  
 Three (3) Axle Sweepers  
 (Configuration #)

<p><b>Parts Manual Paper</b></p>	<p>Two complete sets, per Contract (not per unit) binders required,          1. Manuals shall be provided for:              A. Equipment          2. Illustrated parts book shall be furnished containing data so that part numbers can be readily found for each system.</p>	<p><input checked="" type="radio"/> Yes  <input checked="" type="radio"/> Yes</p> <p>No          No</p>	<p><del>\$ INCLUDED</del>  <del>\$ INCLUDED</del></p>
<p><b>Parts Manual on CD rom or DVD</b></p>	<p>One complete set, per Contract (not per vehicle) illustrated parts book shall be furnished containing data so that part numbers can be readily found for each system.          1. Information shall be provided for:              A. Equipment          2. Parts manuals shall include complete and detailed information for replacement parts for the equipment, including general information, specifications ordering guide lines and superseded parts information.          3. New CD roms or DVDs shall be provided when information is updated, superseded or changed.</p>	<p><input checked="" type="radio"/> Yes  <input checked="" type="radio"/> Yes</p> <p>No          No</p> <p><input checked="" type="radio"/> Yes</p> <p>No</p>	<p><del>\$ INCLUDED</del>  <del>\$ INCLUDED</del></p>

Vendor/ Sub Vendor: FARIS

**Proposal No. 8003**  
 Three (3) Axle Sweepers  
 Configuration #1

<p><b>Parts Manual          or          Internet Access, or          Other Electronic          Media</b></p>	<p>One complete subscription; per Contract (not per vehicle)</p> <ol style="list-style-type: none"> <li>Internet information shall allow the City 24 hour 7 days/week including holidays access from its main maintenance facility and all its satellite maintenance facilities.</li> <li>Internet information shall include complete and detailed information for parts for the:               <ol style="list-style-type: none"> <li>Equipment</li> </ol> </li> <li>Internet information shall cover vehicle/equipment, shall include general parts information, parts specifications, ordering guide lines and superseded parts information.</li> <li>Vendor shall provide access to the site for the length of time that the City owns the vehicle/equipment at a one time up front cost to the City.</li> <li>Parts manuals shall include complete and detailed information for replacement parts for the equipment, including general information, specifications ordering guide lines and superseded parts information.</li> </ol>	<p>Access Information:          7 days/week including holidays    Yes    <b>No</b></p> <p>Yes    <b>No</b>          Yes    <b>No</b></p> <p>Yes    <b>No</b>          If other Specify: _____          _____          _____</p> <p>Yes    <b>No</b></p>	<p>\$ <u>NA</u>          \$ <u>NA</u></p>
<p><b>New Equipment          Check-in Form:</b></p>	<p>The successful vendor shall complete the City's "New Equipment Check-in Form" completely and accurately with all requested information.</p>	<p><b>YES</b></p>	<p>\$ <b>INCLUDED</b></p>

Vendor/ Sub Vendor: FARIS

**Proposal No. 8003**  
 Three (3) Axle Sweepers  
 (Configuration #)

**4.1 Operator and Mechanics Training**

Item	Description of Equipment	Offered Equipment	Cost
<b>On Site Equipment Manufacturers Training</b>	On site the vendor shall insure that the equipment manufacturers training representative, after delivery of the equipment Contacts Fleet Maintenance training manager to coordinate equipment training.	YES	\$ <u>INCLUDED</u>
<b>Fleet Maintenance Training Manager</b>	Mr. Charlie Fletcher, Telephone: 720.865.4151 Contact time: 8:00 am to 3:00 pm M-F	YES	
<b>Training Requirements</b>	Training shall consist of factory training materials, classroom and actual field training on the equipment for the equipment operators and supervisors.	YES	\$ <u>INCLUDED</u>
<b>On Site Mechanics Training</b>	On site mechanics training shall be 1 class, approximately 8 hours, day shift total provided at City facilities. The training shall cover maintenance and service procedures, trouble shooting and use of manuals.		\$ <u>INCLUDED</u>

**5.0**

**Repair Parts Delivery**

<b>Repair Parts delivery</b>	
A.	Prime Vendor is to indicate current Master Purchase Order agreement(s) in place with the City. (Example 0667A0108):  If no agreement(s) exists, is your company willing to enter into long-term Master Purchase Order Agreement(s) in order to supply parts and components for the equipment and manufacturers proposed herein? YES OR NO

**Proposal No. 8003**  
 Three (3) Axle Sweepers  
 Configuration #1

**6.0**  
**6.1**

**Warranty**  
**Warranty Requirement**

<b>WARRANTY (Table 1)</b>		<b>Complies (Y or N/A)</b>
A.	Warranty is to be a minimum of 1-years unlimited-hours on the entire sweeper. Warranties on manufacturer purchased items i.e. engine, hydraulic pump motor etc which are greater than the standard 1 year warranty shall be passed along to the City. The standard factory warranty plan shall be provided as an attachment to your bid proposal	Y
B.	The Warranty is to include at no cost to the City of Denver, all parts and labor, and no charge for work performed at the vendors facility	Y
C.	Warranty shall start when the City places the vehicle into service <b>NOT</b> on the delivery date	Y
D.	Warranty plans shall consist of the total unit and be broken out to a separate plan for each warranty item if applicable, such as engine warranty plan, transmission warranty plan, electrical, etc.	Y
E.	Options listed shall be bid and provided as factory installed under the terms of the full factory-backed warranty. This includes, but is not limited to: air conditioning, radios, cruise control, bumpers, towing packages etc. Dealer-installed options will not be permitted unless pre-approved by the City in writing and, where applicable, indicated on bid sheet as a "dealer installed" non-factory item.	Y
F.	Bidder will be responsible for warranty repair of all installed options/auxiliary equipment included in the bid that has a standard warranty that is less than the standard warranty for the base vehicle/equipment	Y
G.	Bidder shall use a single, local factory authorized dealership that will accomplish or coordinate required warranty work. The dealership must have a minimum of 1-year experience as a factory authorized vendor for like equipment being bid. Warranty parts shall be available and supplied within 24 hours	Y
H.	If applicable, bidder shall provide a plan for the City to be reimbursed if the work can be done by the City on site. The current shop rate is \$75/hour, not to exceed \$85.00/hour. (Enter a response of N/A if not available)	NA
I.	The bidder shall respond to request for warranty assistance within twenty-four (24) hours.	Y
J.	Warranty work shall be accomplished within an appropriate length of time (generally less than 3 working days for everything other than major component repair such as a transmission rebuild) and shall be coordinated with an authorized City representative	Y
K.	The item(s) procured by the City pursuant to this Bid Proposal shall, in addition to being subject to the express warranties referenced above, be subject to all implied warranties arising by operation of law under State of Colorado and Federal law, including but not limited to the implied warranty of merchantability and, to the extent applicable, the implied warranty of fitness for a particular purpose arising under the Colorado Uniform Commercial Code, Title 4, Colorado Revised Statutes. The bidder shall in no event attempt to limit or disclaim any of such implied warranties under this Bid Proposal, and any attempt to do so will render the bidder's bid non-responsive under this Bid Proposal.	Y

**Proposal No. 8003**  
 Three (3) Axle Sweepers  
 Configuration #1

L.	During the entire warranty period, if the unit requires transportation to a repair facility, the vendor/sub-vendors shall be responsible for all transportation at "NO COST" to the City and County of Denver. This includes transporting the unit back to the City's domicile location after repairs are complete. If an alternate is bid, charges to the City of Denver shall be listed (e.g. mileage, travel, labor, etc.). Even if an alternate is bid, in NO CIRCUMSTANCES will the City and County of Denver be responsible for transporting a unit greater than 25 miles from the center of Denver. For purposes of these warranty provisions, the center of Denver is defined as the City and County Building located on the corner of Colfax and Bannock Street.	Y
M.	This warranty in Table 1 and Table 2, is IN ADDITION to factory warranties on the vehicle and components	Y

6.2

Fleet Defects	
Fleet Defects (Table 2)	
A.	<p><b>Definition:</b> If during the warranty period, thirty percent (30%) of the total number of units delivered have the same part(s) and/or components failure requiring replacement and/or modifications, caused by defects in Design, Testing, Material, and/or Workmanship, then this "Fleet Defect Clause" goes into effect.</p> <p><b>Remedy:</b> Following notification of a Fleet Defect, the vendor shall develop and implement a plan that either reengineers, modifies, or replaces the defective parts/ systems, such that the identified problem is cured and the operation of the vehicle/equipment is not altered. When alterations are required to cure the defect, those alterations that change or modify the original bid specifications must be approved by the City and County of Denver prior to execution. The vendor will pay for all necessary labor and materials to repair, modify, and/or "update" all vehicles/units in this group. The vendor shall also propose a work schedule that is mutually agreed upon by the City of Denver that corrects the fleet deficiency within 30 days or a mutual agreed upon schedule.</p> <p><b>Exceptions:</b> Fleet defects will not apply to minor aftermarket accessories specified by the City of Denver and installed per instructions/specifications. Examples include: toolboxes, spotlights, bed-liners, etc.</p> <p><b>Mitigation:</b> Should the vendor become non responsive to the City's notification of a Fleet Defect, the City may employ several options. (1) After notifying the vendor in writing of The City's intent to mitigate its circumstances, the City may choose to perform its own warranty work and seek reimbursement for both parts and labor. (2) On major components, such as engine, transmission, air conditioning, etc., the City may choose to have the repairs performed by an authorized dealer and vendor shall reimburse the City for any parts or labor not covered by other warranty.</p> <p><b>Outside Metro-Denver:</b> Vendor will pay for all transportation costs if unit(s) must be sent out of the Denver area for repairs. The City and County of Denver reserves the right to inspect unit(s) before returning back to Denver. The City and County of Denver also reserves the right to send at least one employee, without cost to the City, to inspect the repair(s) before unit is released back to the City.</p> <p><b>Expired Warranties:</b> Units that have mutually agreed upon warranty defects during the warranty period will continue to be repaired until completed. If an on-going remedy continues past the warranty date the repairs will continue under warranty until completed or cease at a time agreed upon by the vendor and City and County of Denver.</p>

6.3

Warranty Options		WARRANTY Options (Table 3)		
Cost of Extended Warranties	Please indicate in the columns below the additional cost of an extended warranty for all applicable components listed in the left hand column.			
	Inc = Included	Four Years	Five Years	N/A = Not available
A. Frame/Body				
B. Engine				
C. Drive Train				
D. Suspension				
E. Hydraulics				
F. a. Pumps				
G. b. Motors				
H. c. Tanks				
I. d. Valves				
J. e. Controls				
K. Electrical Components				
L. Automatic Lube System				
M. Notes:				

INC = Included

N/A = Not available

Comments

Four Years

Five Years

INC

INC

INC

INC

INC

INC

INC

INC

INC

INC

INC

INC

INC

INC

INC

INC

INC

INC

INC

INC

INC

INC

INC

INC

INC

ADD THIS OPTION FOR 2016 {5 YEAR WARRANTY}: \$10,600 PER NJPA

Vendor/ Sub Vendor: FARIS

**Proposal No. 8003**  
 Three (3) Axle Sweepers  
 Configuration #1

**6.4 Warranty Service Location:** Warranty repair parts and service shall be available locally at an established factory authorized dealership. The dealership must have a minimum of 1-year experience as a factory authorized vendor for like equipment being bid. Warranty parts and repairs shall be available and supplied within 8-hours.

**Sweeper:** Dealership Name: FARIS MACHINERY COMPANY Telephone #: 303 289-5743  
 Street Address: 570 E 77<sup>th</sup> AVE City: COMMERCE CITY

**Sundries:** Dealership Name: FARIS MACHINERY COMPANY Telephone #: 303 289-5743  
 Street Address: 570 E 77<sup>th</sup> AVE City: COMMERCE CITY

**7.0 Sweepers and other-Road Equipment Delivery Documentation:** i.e.

<p><b>A. Vehicles ordered under this specification</b> shall be complete and delivered to CITY AND COUNTY OF DENVER, Fleet Management Division. All prices quoted must be quoted at a firm price F.O.B. Denver, Colorado, 5440 Roslyn St. Building C.</p>	<p><b>Delivery Documentation (Below GVWR 6,000-Lbs )</b></p>
<p><b>B. Vendor shall supply at acceptance and delivery of vehicle.</b></p> <ol style="list-style-type: none"> <li>1. Bill of Sale (aka invoice, buyers order)</li> <li>2. Original MSO (Manufacturers Statement of Origin)</li> <li>3. Application for Title and/or Registration, Colorado Dept of Revenue form DR2395 (02-22-11)</li> <li>4. Verification of Vehicle Identification Number (VIN), Colorado Dept. of Revenue form DR2087.</li> <li>5. Standard Sales Tax Receipt.</li> <li>6. Original weight slip.</li> <li>7. Temporary License Plate.</li> <li>8. New Equipment Check-in Form/ Vendor Supplied Information on the Vehicle. Form provided by Fleet contact Dolores @ 720.865.3903</li> <li>9. Copy of City Purchase Order.</li> <li>10. All Keys ordered for the equipment and extra equipment i.e. toolboxes etc.</li> <li>11. All Manuals repair, parts, owners and/or CD's/DVD's etc</li> <li>12. Vehicle Warranty information and receipt for optional warranty.</li> <li>13. Receipts and Warranty information for vendor Installed/supplied components (lift gates, snowplows, lighting equipment etc)</li> </ol>	
<p><b>C. Delivery:</b>          Monday through Friday between 8:00 am and 1:00 pm.          Location: CITY AND COUNTY OF DENVER          Fleet Management          5440 Roslyn St. Building C          Denver, CO 80216          Contact person to coordinate delivery: Dolores Gallegos at (720) 865-3900 ext. 03 or direct line (720) 865-3903.</p>	



- 8.0 Vehicle Delivery
- 8.1 Delivery of Complete Sweeper to City and County of Denver

PROVIDE NUMBER OF DAYS REQUIRED FOR DELIVERY OF COMPLETE SWEEPER	<u>90-120</u> DAYS
------------------------------------------------------------------	--------------------

<b>9.0 Complete Sweeper Cost</b> Include: <input type="checkbox"/> Sweeper Total Cost  Do Not Include: <input type="checkbox"/> Optional Equipment <input type="checkbox"/> Warranty Cost (s) <input type="checkbox"/> Manual Cost (s)	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; border-bottom: 1px solid black; padding: 5px;"> <b>ONE COMPLETE SWEEPER TOTAL COST</b>            Authorized Signature:  </td> <td style="width: 40%; border-bottom: 1px solid black; padding: 5px; text-align: right;">           \$ <u>161,490</u> </td> </tr> </table>	<b>ONE COMPLETE SWEEPER TOTAL COST</b> Authorized Signature:	\$ <u>161,490</u>
<b>ONE COMPLETE SWEEPER TOTAL COST</b> Authorized Signature:	\$ <u>161,490</u>		

THIS PRICE IS AVAILABE UNTIL JANUARY 31, 2014. A PURCHASE ORDER OR LETTER OF INTENT WITH ENOUGH INFORMATION TO ALLOW FARIS MACHINERY TO PLACE AN ORDER ON FACTORY MUST BE RECEIVED BY THE END OF JANUARY OR WE CANNOT PRICE PROTECT THE BID PRICE AGAINST THE ATTACHED 8% PRICE INCREASE.

2016

Units to be purchased: 11

Base Sweeper Unit: \$188,560

Automated Lube System: \$5,575

Conspicuity Tape: \$ 315

Additional 5 Year Warranty: \$10,600 (Per NJPA)

Total: \$205,050

## Proposal

December 31, 2013

Mr. Mike Romero  
City and County of Denver  
201 West Colfax Ave. Dept. 304  
Denver, CO 80202

Dear Mike:

In reference to your bid request 8003, we are pleased to quote prices on the following Elgin Pelican NP Street Sweepers.

One - Elgin Pelican NP Street Sweeper with dual side brooms, 74 hp John Deere diesel engine, high dump front hopper.

**Requested Options:**

PM-10 Water System  
Extra Keys All 9 Units to be Keyed Alike  
In-Cab Air Filter Restriction Indicator  
Premium Radiator Hoses  
Air Conditioner  
Hydraulic Oil Filter Restriction Indicator w/Light & Alarm  
Low Level Hydraulic Light/Alarm  
(2) Rear Flood & Back-Up Lights LED  
High Back Cloth Bostrum Seat RH  
High Back Cloth Bostrum Seat LH  
Main Broom Hourmeter/Odometer  
Engine Oil Temperature Gauge  
AM/FM/CD Audio System  
Dual Limb Guards  
Light Rails for Corner Strobe Lights  
Hearth Remote Control West Coast Mirrors  
Sliding Window RH Side  
Sliding Window LH Side  
Locking Tool Box w/Hose Basket  
In-Cab Side Broom Tilt w/Indicator LH  
In-Cab Side Broom Tilt w/Indicator RH  
Low Conveyor Roller Flush  
Greaseable Dirt Shoes  
Lower Roller Deflector  
Hydraulic Motor/Conveyor Drive Chain HD Diamond #50H-XLO O-Ring Chain  
Rear Bumper Two Vertical 1" Thick, x 1.69" Wide x Rear Frame Height Pads  
Sweeper Service Manual

**Dealer Installed Options:**

Whelen TIR 3 Side Mounted LED Strobe Lights

Optional Equipment

- Page 14, Section 3.0, Item A: A City of Milwaukee style tow hook system is not available.
- Page 15, Section 3.0, Item B: The quoted Lubecore system is a model "Progressive", not a "Parallel HP". It is our understanding that the Parallel HP will not pump the EP-2 Grease as requested and that the Progressive will. Also, this system would be installed locally, not at factory.
- Page 15, Section 3.0, Item C: The Midwest Autolube system does not accept NLGI #EP-2 Grease but takes NLGI #0 & #00.

## Proposal

February 11, 2016

Mr. Michael Romero  
City and County of Denver  
201 West Colfax Ave. Dept 304  
Denver, CO 80202

Dear Michael,

The following final pricing for a 2016 order.

One - Elgin Pelican NP Street Sweeper with dual side brooms, John Deere 4045TF 74 hp diesel engine,

**Requested Options:**

- PM-10 Water System
- Extra Sets of Keys
- In-Cab Air Restriction Indicator
- Premium Radiator Hoses
- Air Conditioner
- Hydraulic Oil Filter Restriction Indicator w/Light & Alarm
- Low Level Hydraulic Light/Alarm
- LED Rear Flood & Back-Up Lights
- RH High Back Bostrom Air Ride Seat
- LH High Back Bostrom Air Ride Seat
- Main Broom Hourmeter/Odometer
- Engine Oil Temperature Gauge
- AM/FM/CD Audio System
- Heavy Duty Dual Limb Guards
- Light Rails for Corner Strobe Lights
- Strobe Lights in Battery Box Cover
- Heated Remote Controlled West Coast Mirrors
- Sliding Window RH Side
- Sliding Window LH Side
- Locking Tool Box w/Hose Basket
- In-Cab Side Broom Tilt w/Indicator LH
- In-Cab Side Broom Tilt w/Indicator RH
- Lower Conveyor Roller Flush
- Greaseable Dirt Shoes
- Lower Roller Deflector
- Hydraulic Motor/Conveyor Drive Chain HD Diamond #50H-XLO O-Ring Chain
- Rear Bumper: Two Vertical 1" Thick x 1.69" Wide x Rear Frame Height Pads
- Sweeper Service Manual

**Dealer Installed Options:**

- Whelen TIR 3 Side Mounted LED Strobe Lights
- Whelen TIR 500 LED Strobe Lights Mounted on 4-Corners of Sweeper
- Stay Back 50' Sign

Price FOB: Roslyn

\$188,560.00

**Additional Requested Options:**

- Lube Core Auto Lube System
- Conspicuity Tape
- Five-Year Parts and Labor Warranty

\$5,575.00

\$315.00

\$10,600.00

Total with Requested Options

\$205,050.00

**Service Tool: (Cost per kit)**

**Two kits will be included at no cost for this one time order.**

- Diagnostic Software
- CAN/USB interface connection
- Harness

No Charge

\$275.00

\$55.00

**Trade-In**

None

**Terms:**

Net 30 days after receipt of the invoice.

**Delivery:**

16 to 18 weeks after receipt of the order.

Pricing will be held and guaranteed for any additional units in which a Purchase Order is issued no later than October 31, 2016

Thank you for the opportunity of quoting this equipment.

Sincerely,

FARIS MACHINERY COMPANY



David Barthel

By:

City and County of Denver

Key Account Manager

Cell Phone # 303-482-6461

e-mail Address: david.barthel@farismachinery.com

This order is not binding until accepted by Faris Machinery Company, and is subject to terms and conditions set forth by Faris Machinery Company. No additional conditions, agreements or modifications to the terms herein shall be accepted by Faris Machinery Company.

Quote #: 0

**Department:** Marketing #M-1078

**Date:** 05-28-2015

**To:** U.S. Elgin Dealer Principals, Sales Managers and Branch Managers

**From:** James Crockett – Product Manager

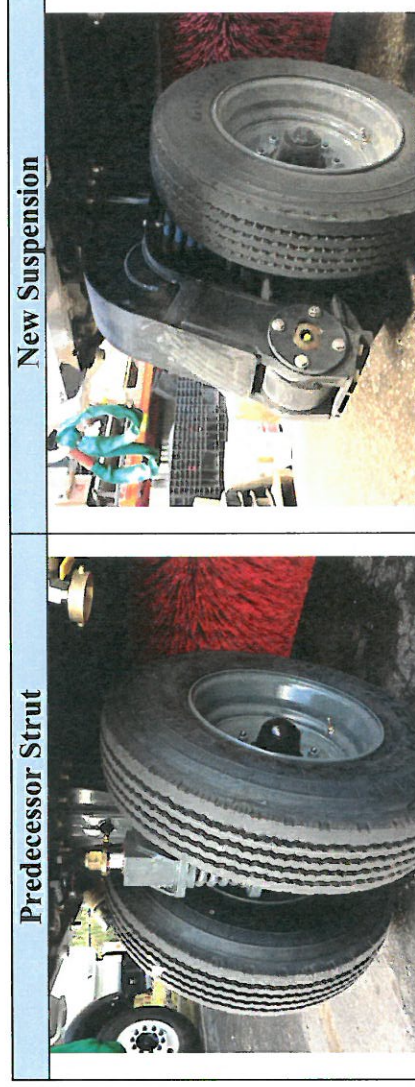
**Subject:** New Tier 4 “final” Pelican NP 74hp

**ADVANCED NOTICE** – Elgin Sweeper Company is pleased to announce the release of EPA Tier 4 “final” Pelican NP; featuring EcoInfused™ Technology with horsepower management system and anti-stall technology. The latest EPA and CARB compliant Pelican NP with John Deere 74hp auxiliary engine has the following attributes:

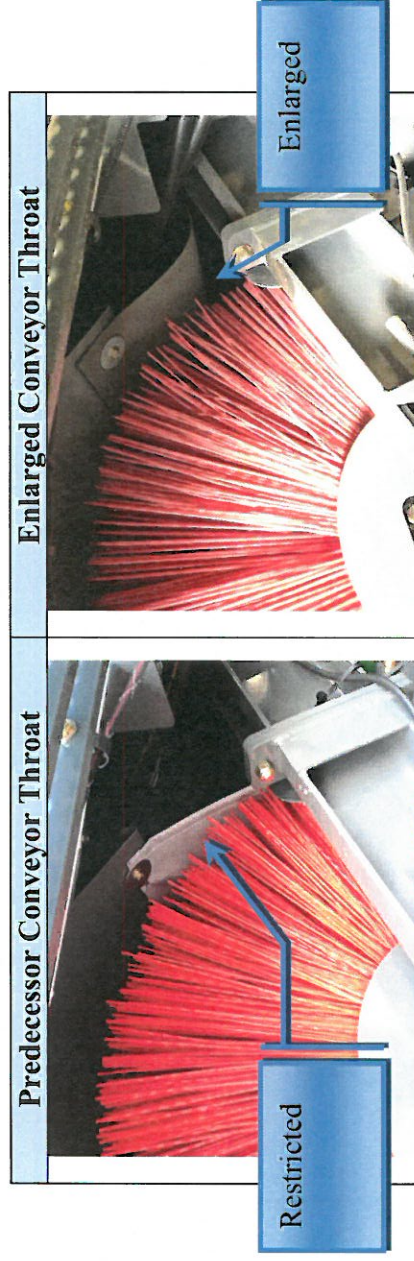
- Same wheelbase as predecessor Tier 4 “interim” at 127.4 inches
- Does not use Diesel Exhaust Fluid (DEF)
- Aftertreatment system comprised of Diesel Oxidation Catalyst (DOC) with downstream Diesel Particulate Filter (DPF), this system will require regeneration(s) – passive or active – similar to that of what an OEM chassis requires today
- Engine uses an Engine Control Unit (ECU) providing quick response from throttle input
- Engine enclosure height rose only 3 inches – not readily noticeable when looking at the sweeper

At this juncture, Engineering and Product Management took the opportunity to incorporate new standard features to improve the Pelican NP product offering:

- **New Rear Suspension** – incorporating single-sided swingarm type, utilizing heavy duty twin springcoils with shock absorbers, reducing shock loading by half and improving the overall ride quality compared to the predecessor strut springs. See below pictures of before and after:



- **Enlarged Conveyor Throat** – new design enlarges the transition from broom to conveyor – “the throat” – by 52%; improving sweeping in leaves, pickup of bottles, cans and other light debris. See below pictures of before and after:



- **Air Conditioning** – Tier 4 final Pelican includes A/C as standard

Production of the Tier 4 “final” Pelican will begin in Q1 2016 and Elgin has a limited number of Tier 4 “interim” credits available for the U.S. market. Therefore, Elgin Inside Sales is initiating and managing a Tier 4 “interim” engine countdown effective 05/28/2015. Based on current forecasts, the remaining Tier 4 “interim” build slots will bridge this Tier 4 “final” conversion without interruption to production or significant extension of lead times. We do however expect this to happen in the next 30 days. To ensure we’re fulfilling all customer requirements, preference will be given for **END USER** orders for the remainder of the Tier 4 “interim” build slots as follows:

***Orders will first be accepted for Pelican Tier 4 “interim” engines that are supported by a firm customer purchase order, anticipated to be forthcoming as a result of either a contract purchase, or customers that have an officially published bid date with written documentation. Only after these primary requirements are met will consideration of stock orders for upcoming bids be accepted. No orders will be approved until initially vetted by your Regional Sales Manager to determine required requirements are met and further by the Director of Sales before the order will be considered accepted and approved.***

**PRICING STRATEGY** – Due to the significant cost increase for the Tier 4 “final” engine and related components, Elgin has decided to transition the price increase over the duration of two years. The Tier 4 “final” Pelican NP will undergo an initial up-charge of \_\_\_\_\_ anticipated valid for all of 2016 production. The price increase for 2017 production will include the 2<sup>nd</sup> half of the Tier 4 “final” increase along with a traditional producer price index increase. New price sheets for Tier 4 “final”



Pelican NP will be posted to the dealer website in the next few weeks; until then, please continue to reference existing published Tier 4 “interim” Pelican NP price sheets for option and accessory pricing.

Revisions to the Pelican NP SN31000 suggested bid specifications, with above mentioned product improvements and engine criteria, are now posted to the dealer website. The new Pelican collateral will also be published to the public website soon.

## KEY POINTS SUMMARY –

1. **At the current new business levels, Elgin anticipates being sold out of Tier 4 “interim” engines for the Pelican NP U.S. market within the next 30 days.**
2. **Elgin is working to balance the remaining engine inventory by giving preference to end user sales opportunities. Orders will be accepted for Pelicans supported by end user purchase orders, currently published bids, and confirmed NJPA quotes prior to 05-28-2015.**
3. **If you don’t anticipate a current opportunity to close within the next 30 days, Elgin urges you to update the quote to your customer in order to reflect the Tier 4 “final” pricing as outlined herein.**
4. **NJPA pricing will be updated in the next two weeks to reflect availability and pricing on the Tier 4 “final” Pelican.**
5. **A/C, an upgraded strut assembly, and larger conveyor “throat” area all become standard.**
6. **Significance of MSRP increase requires a two year phase-in pricing strategy; initial \$6,000 DNET upcharge at beginning of Tier 4 “final” transition and 2<sup>nd</sup> half to occur beginning of 2017.**

**Posted:** Pelican NP SN31000 DUAL T4f suggested bid specification  
Pelican NP SN31000 SINGLE T4f suggested bid specification



**FEDERAL SIGNAL**  
Environmental Solutions

Advancing security and well-being

# News Bulletin

**Department:** Sales # S-1075

**Date:** 10/05/15

**To:** Elgin Dealer Principals and Sales Managers

**From:** James Crockett/Adam Braun/Daniel Caban

**Subject:** 2016 Pricing Changes

New price lists for 2016 will be posted to the dealer website by 10/09/2015.

The following prices will take effect for bids on or after **November 1st, 2015** (no extensions):

**Option and Accessory pricing will go up approximately 2 percent.**

- **Top levels** will increase as follows:

PRODUCT	MODEL CODE	AUX EMISSIONS	HORSEPOWER	2016 DNET INCREASE
Crosswind and FSX	J and FSX	Tier 4F	74	0.0%
Crosswind and FSX	J and FSX	Tier 3 (CANADA)	115	2.5%
Crosswind CNG	J	-	-	1.5%
Whirlwind (8YD)	MV	Tier 3 (CANADA)	115	2.5%
Whirlwind (10YD)	MV	Tier 3 (CANADA)	115	2.5%
Whirlwind (8YD)	MV	Tier 4F	74	0.0%
Whirlwind (10YD)	MV	Tier 4F	74	0.0%
Megawind (10YD and 13YD)	MX	Tier 3	115	2.5%
Eagle	4MF	Tier 4F	49	2.3%
Waterless Eagle	FW	Tier 4i	74	5.0%
Broom Bear	4MH	n/a	n/a	2.5%
Broom Bear CNG	4MH	-	-	2.5%
Road Wizard	4MW	Tier 4F	74	2.3%
Waterless Pelican	NR	Tier 3	99	2.5%
<i>Broom Badger</i>	CH	<i>Tier 4i</i>	59	3.5%
Pelican	NP	Tier 3 (CANADA)	99	3.0%
Pelican	NP	Tier 4F	74	0.0%

- **Broom Badger** now has the Air-spring chassis suspension as standard. You will have the ability to option out of this thus reflecting the above mentioned increase. Suggested bid specification will be updated to reflect this change.
- **Broom Badger Extended Warranty** matches the Elgin mechanical Extended Warranty pricing levels.
- Some **Broom Badger Freight** rates are changing for 2016, see new price list for specific rates to your region.
- **Chassis Mounting** charges will not change for any chassis from 2015 levels.
- Price changes for select **Options and Accessories** can be found on the new price lists.
- **Chassis pricing** is not changing at this time. Future chassis pricing changes will generally be coupled with the chassis manufacturer's model year instead of calendar year
- **Elgin Equalized Freight** rates will not change from 2015 levels except for the Crosswind CNG. Crosswind CNG freight rates will now mirror our standard Crosswind offering rates.
- **Elgin Extended Warranty** will change to the below structure. We have discontinued parts only warranty options. In addition, we have simplified our part numbers by classifying them in group's i.e.... AIR, MECHANICAL, MECHANICAL WATERLESS, NP, NR; respective price changes are shown below.

<b>Air Products</b>	<b>North America</b>	<b>List</b>
2nd YEAR PARTS/LABOR	EW- AIR-NA-2PL	\$2,500
3rd YEAR PARTS/LABOR	EW- AIR-NA-3PL	\$3,800
4th YEAR PARTS/LABOR	EW- AIR-NA-4PL	\$5,800
5th YEAR PARTS/LABOR	EW- AIR-NA-5PL	\$7,900
<b>Mechanical</b>	<b>North America</b>	<b>List</b>
2nd YEAR PARTS/LABOR	EW-ME-NA-2PL	\$2,650
3rd YEAR PARTS/LABOR	EW-ME-NA-3PL	\$4,995
4th YEAR PARTS/LABOR	EW-ME-NA-4PL	\$7,105
5th YEAR PARTS/LABOR	EW-ME-NA-5PL	\$9,100
<b>Mechanical Waterless</b>	<b>North America</b>	<b>List</b>
2nd YEAR PARTS/LABOR	EW-MEWL-NA-2PL	\$2,845
3rd YEAR PARTS/LABOR	EW-MEWL-NA-3PL	\$5,385
4th YEAR PARTS/LABOR	EW-MEWL-NA-4PL	\$7,650
5th YEAR PARTS/LABOR	EW-MEWL-NA-5PL	\$9,700
<b>Pelican NP</b>	<b>North America</b>	<b>List</b>
2nd YEAR PARTS/LABOR	EW-NP-NA-2PL	\$3,100
3rd YEAR PARTS/LABOR	EW-NP-NA-3PL	\$4,570
4th YEAR PARTS/LABOR	EW-NP-NA-4PL	\$7,500
5th YEAR PARTS/LABOR	EW-NP-NA-5PL	\$10,600
<b>Pelican NR</b>	<b>North America</b>	<b>List</b>
2nd YEAR PARTS/LABOR	EW-NR-NA-2PL	\$3,500
3rd YEAR PARTS/LABOR	EW-NR-NA-3PL	\$6,100
4th YEAR PARTS/LABOR	EW-NR-NA-4PL	\$11,000
5th YEAR PARTS/LABOR	EW-NR-NA-5PL	\$15,500